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Practitioner's Docket No. MPI00-252P1RM
Fax Number (703) 872-9306

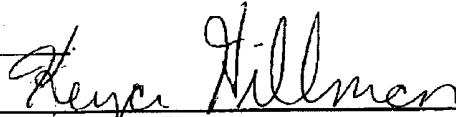
PATENT

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Submitted herewith:

Amendment Transmittal
Amendment And Response

(2 pages; in duplicate)
(16 pages)

Total

Pages (21 pages)
(Including this cover sheet)

TO/SB/97 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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Practitioner's Docket No. MPI00-252P1RM**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Curtis, Rory A.J.
 Application No.: 09/875,321 Group No.: 1646
 Filed: June 6, 2001 Examiner: Pak, Michael D.
 For: 12189 AND 52906, NOVEL HUMAN POTASSIUM CHANNELS AND USES
 THEREOF

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT TRANSMITTAL

1. Transmitted herewith for this application is/are:
 - a. This Amendment Transmittal (2 pages; in duplicate); and
 - b. Amendment and Response (16 pages).

STATUS

2. Applicant is other than a small entity.

CERTIFICATION UNDER 37 C.F.R. SECTIONS 1.8(a) and 1.10*

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(Page 1 of 2)

Practitioner's Docket No. MPI00-252P1RM**FEE FOR CLAIMS**

3. The fee for claims (37 C.F.R. 1.16(b)-(d)) has been calculated as shown below:

(Col. 1)	(Col. 2)	(Col. 3)	OTHER THAN A SMALL ENTITY
Claims Remaining After Amendment	Highest No. Previously Paid For	Present Extra	
Total 30	Minus 31	= 0	\$18.00 = \$0.00
Indep. 3	Minus 5	= 0	\$86.00 = \$0.00
First Presentation of Multiple Dependent Claims	0		\$290.00 = \$0.00
		Total Addit. Fee	\$0.00
		Total additional fee for claims required	\$0.00

FEE PAYMENT

4. Charge Account No. 501668 the sum of \$0.00 (which includes the extension fee and the \$0.00 additional fee for claims). \$0.00

FEE DEFICIENCY

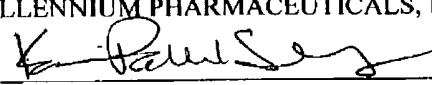
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40 Landsdowne Street
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March 17, 2004

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By 

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Cambridge, MA 02139
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Facsimile - 617-551-8820

(Page 2 of 2)

Practitioner's Docket No. MP100-252P1RM**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Curtis, Rory A.J.
 Application No.: 09/875,321 Group No.: 1646
 Filed: June 6, 2001 Examiner: Pak, Michael D.
 For: 12189 AND 52906, NOVEL HUMAN POTASSIUM CHANNELS AND USES
 THEREOF

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Practitioner's Docket No. MP100-252P1RM**FEE FOR CLAIMS**

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By Kerri Pollard Schray

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Practitioner's Docket No. MPI00-252P1RMPATENT
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Curtis, Rory A.J.		
Application No.:	09/875321	Group No.:	1646
Filed:	June 6, 2001	Examiner:	Pak, Michael D.
For:	12189 AND 52906, NOVEL HUMAN POTASSIUM CHANNELS AND USES THEREOF		

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT AND RESPONSE

Sir: In response to the Office action of Dec 17, 2003, please amend the above-identified application as follows:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 7 of this paper.

Remarks begin on page 10 of this paper.

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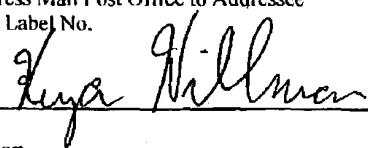
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